

ABSTRACT OF THE DISCLOSURE

A fuel cell includes a pair of separators and a plurality of electrolyte electrode assemblies between the separators. The electrolyte electrode assemblies has a small circular disk shape. Eight electrolyte electrode assemblies are arranged along an inner circle and eight electrolyte electrode assemblies are arranged along an outer circle concentric with a circular hole. Each of the separators includes a plurality of plates stacked together. A fuel gas channel for supplying a fuel gas to anodes of the electrolyte electrode assemblies, an oxygen-containing gas channel for supplying an oxygen-containing gas to cathodes of the electrolyte electrode assemblies are formed between the plates.